

YAROVY, F.K., kand.med.nauk (Simferopol')

Effect of substances containing choline (cottage cheese) on
cholesterol metabolism in atherosclerosis. Vrach.delo
no.1:91-93 Ja '58. (MIRA 11:3)

1. Kafedra diagnostiki s chastnoy patologiyey i terapiyey (zav.-
prof. A.B.Shakhnazerov) Krymskogo meditsinskogo instituta.
(CHOLESTEROL METABOLISM) (ARTERIOSCLEROSIS)

YAROVY, G.P., kapitan 2-go ranga

Increase the quality of training antisubmarine crews. Mor.
sbor. 49 no. 12:42-45 D' 65 (MIRA 19:1)

L 28065-66 EWT(1)/FSS-2

ACC NR: AP6015401 (N) SOURCE CODE: UR/0375/65/000/012/0042/0045

AUTHOR: Yarovoy, G. P. (Commander)

24
B

ORG: none

5

TITLE: Improve the quality of training for antisubmarine warfare crews

SOURCE: Morskoy sbornik, no. 12, 1965, 42-45

TOPIC TAGS: antisubmarine warfare, naval training

ABSTRACT: Problems in the training of ASW crews, in particular sonar operators, are described. The training is conducted both at shore facilities (simulated) and at sea. The development of ASW training aids which would realistically simulate the search, tracking, and attack on 'modern' submarines and the use of various kinds of weaponry is urged. The author urges that sonar operators be trained exclusively at sea since only under actual sea conditions can they learn to distinguish the real target from the false. The author reports (but does not describe) a recent innovation which reduces the time it takes to transmit data from the sonar to the fire control system.
Orig. art. has: 2 photographs.

SUB CODE: 15

2

Card 1/1 CC

YAROVY, I.

85-10-7/35

AUTHOR: Yarovoy, I., Senior Flyer Inspector of the DOSAAF
Oblast' Committee in Dnepropetrovsk

TITLE: We Improve the Mass Aviation Work (Uluchshayem aviatsionno-massovuyu rabotu)

PERIODICAL: Kryl'ya Rodiny, 1957, Nr 10, pp. 4-5 (USSR)

ABSTRACT: The author of this item informs about the DOSAAF's activity in Dnepropetrovskaya oblast'. He mentions the primary DOSSAF's organization of the Krivorozhskiy South-Concentrating Kombinat (Krivorozhskiy yuzhno-obogatitel'nyy kombinat), where over 40 members take part in the glider sports. A training glider and a site for taking off and landing have been acquired with the assistance of the Komsomol organization. A glider circle has been organized in Novo-Moskovsk at the tin-rolling plant. There is a competition between the Krivoy Rog and Novo-Moskovsk glider pilots. The parachutists of the city of Nikopol' achieved good results. Over one hundred persons made their first jumps. The parachute circles have been organized and are now in

Card 1/2

We Improve the Mass Aviation Work

85-10-7/35

operation in Dneprodzerzhinsk, Krivoy Rog, Pavlograd and in the Verkhnedneprovskiy and Sinel'nikovskiy rayons. The aircraft model making is becoming very popular. During the zonal competition, which took place in Khar'kov, the crew of the aircraft model sportsmen of the Dnepropetrovskaya oblast' won the first place. The propaganda of the aviation knowledge in the oblast's rayon has been improved.

AVAILABLE: Library of Congress

Stachiv INSEPEKTOR-letchik OBLASTNOGO Komiteta
Dobrovol'nogo obshchestva sodevstviya Armii;
AVIATSI; ; Flotu, DNEPROPETROVSK,
Card 2/2 (aerodautics)

AUTHOR:	Bilimovich, G. N.	SOT/5-14-4-30/30
TITLE:	Section of Analytical Chemistry of the VIII Mendeleyev Congress on General and Applied Chemistry	
PERIODICAL:	Journal Analiticheskoy Khimii, 1959, Vol 14, No 4, pp 511-512 (fran)	
ABSTRACT:	<p>Approximately 100 persons participated in the work of the Department of Inorganic Chemistry among them representatives of various scientific research institutes, higher schools and industrial enterprises in Russia, scientists from China, Bulgaria, the USSR, Poland, Hungary, and Italy. Approximately 70 reports were heard. In his opening speech I. F. Alakhidze reported on the achieved results and on modern problems of analytical chemistry. J. C. Tannayev reported on the application of physico-chemical analysis in heterogeneous systems for the solution of a series of problems of analytical chemistry. I. F. Kurnatsov reported on modern aims in the use of organic reagents.</p> <p>A. K. Bobko shared at the example of halide and thiocyanate complexes the correlation between the stability of complexes and the position of the corresponding central atom in the periodic system. V. M. Panikov and I. M. Bozhko lectured on the stability of oximates of Cu, Co, and Ni as depending on the structure of the oxime molecule. V. Z. Lomina lectured on the double character of reaction of some compounds in the formation of complexes. The problem of the application of heteropolyoxoacids in analytical chemistry was dealt with in the lectures of A. S. Bakhshiev and A. D. Dzhurba and M. A. Kholodenko.</p> <p>A large number of lectures dealt with the use of organic reagents in analysis. A. G. Buzas and M. I. Vinogradova reported on the application of dialkyl and diaryl dithiophosphoric acid for the separation of elements. A. I. Speranskaya used acetyl arsenic acid and acetyl phosphoric acid. N. P. Latorova and her co-workers treated some properties of new complexes. The lectures of I. A. Matanenko, G. G. Shitarev, and A. A. Krasenina dealt with the photoelectric determination of a series of elements using fluoride derivatives. A. I. Cherkasov lectured on the use of haloethanes in analytical chemistry. A. M. Dubinin and N. M. Mal'zova lectured on the determination of tellurium using differential spectrophotometry. Yu. F. Morachevskiy and Z. A. Stolzova reported on new highly sensitive analytical methods using an ultraviolet microscope. Several lectures dealt with methodical and theoretical problems of spectrometry (V. I. Kostylevsky and G. A. Zhdanov), with atomic absorption spectroscopy (G. I. Kostylevsky and V. I. Kostylevsky).</p> <p>M. S. Polukarov and M. I. Klykovoy treated the perfection of flame photometry. Several lecture dealt with the determination of elements by polarography (A. L. Sizikov, A. I. Bobdeikulova and A. A. Janmazayev). The results in using fixed electrodes were reported by N. I. Sanchikov and Yu. S. Lyalikov and co-workers. The lecture of E. L. Mikhaleva and T. T. Palkina treated the use of superprecipitation with two electrodes in the chemistry of uranium and thorium. M. M. Sinyavtsev showed possibility of predicting the conditions of chromatographic separation of elements based on their position in the periodic system. Yu. I. Kostylevsky reported on the use of fan exchange in the investigation of the state of substances in solutions. A. M. Tereshchuk and V. I. Petrenchenko lectured on the chromatographic separation of a series of elements. M. G. Polivanov reported on adapting the properties of ion exchangers. N. S. M. Chernyak and associates reported on the co-precipitation mechanism of ions of rare metals with sulfides (I. A. Sosner) and for determining rare elements by means of isotopic dilution (I. P. Alakhidze, G. I. Klymovich). In the field of chromatography organic microanalysis the lectures of N. O. Korchagin, M. L. Gol'dman and V. A. El'morenko and associates have to be mentioned. They treated the elaboration of rapid micromethods for the simultaneous determination of several elements from one enriched portion of boron, fluorine and chlorine-organic compounds.</p>	
CARD 1/4		
CARD 2/4		
CARD 3/4		

ROZHDESTVENSKAYA, Z.B.; SONGINA, O.A.; YAROVY, I.A.

Polarographic reduction of perrhenate. Izv. Akad. Kazakh. SSR. Ser. Khim.
no.1:26-32 '59. (MIRA 13:6)
(Perrhenate) (Polarography)

VAROVY, I. M.

ca

21

Determination of methane in coal beds. I. M. Varovy
Ural 22, No. 12, 9-13(1947).—This method utilizes previously constructed isotherms of CH_4 absorption by coal at 1-7 atm. Coal samples were ground through 35 mesh, placed in a container, evacuated to 650 mm. Hg, and CH_4 was admitted to a definite pressure. When the pressure fell, owing to the absorption of CH_4 , more was added to re-establish the initial pressure. This was repeated to const. pressure. The CH_4 was then exhausted and its vol. detd. This gave the vol. of CH_4 absorbed by the coal, retained in the pores of the coal, and in the dead space of the container. The vol. of CH_4 in the dead space was detd. by using a nonferrous material, inert to CH_4 , of the same vol. as the coal, and the vol. of CH_4 retained in the pores of the coal was detd. by using an inert porous material of same vol. as the coal. The pressure within a coal bed was detd. with a special app. in drill holes. M. Hosch

AMERICA METALLURGICAL LITERATURE CLASSIFICATION

1946 ESTABLISHMENT

REPRINTS, ETC.

SEARCHED	SEARCHED MAP CHF DRC												COLLECTED	PUBLICATION								
	L	S	M	A	H	O	I	N	P	R	E	L										
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

YAROVAY, I. M.

PA 62T83

USSR/Mines and Mining
Explosions, Gas
Mines - Safety Precautions

Mar 1948

"The Struggle With Unexpected Discharges in No 2 Mine
of the Yegorshinugol' Trust (Urals)," I. M. Yarovay,
Mining Engr, 4 pp

"Ugol'" No 3

Describes conditions in the Yegorshin semianthracite
deposits which lead to sudden explosions of coal and
gas causing destruction and loss of life. No 2 mine
has been examined in detail in order that protective
measures can be taken in the future.

62T83

YAKOV, I. V.

Handbook on the mining of hazardous coal deposits subject to cave-ins and the discharge of gases. Moskva, Ugletekhizdat, 1949. 167 p. Maps (50-15017)

TN295.I3

1. Coal mines and mining - Safety measures. 2. Mine gases. 3. Mine timbering.

YAROVY, I. N.

Coal Mines and Mining

Opening-up of steep beds subject to coal and gas eruption. Ugol' 27 no. 4, (1952)

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, AUGUST 1952. UNCLASSIFIED.

YAROVYI, I. M.

(1) 5

✓ 4222. CONNEXION BETWEEN EMISSIONS OF GAS AND ROCK PRESSURE.
Dov. V.N. Yarovy, I.M. and Kudots, M.I. (Ugol (Coal), Jan. 1954; 43-45).
The theory advanced by Shovchenko (Ibid., Apr. 1953, 8-13; Fuel Abstr.,
1953, vol. 14, 4070) is criticized. (L).

jpl
14-125

Fuel Abstracts
June 1954
Natural Solid Fuels:
Winning

YAROVOL, I.M.

Fuel Abstracts
May 1954
Natural Solid
Fuels: Winning

3385. EFFECT OF WORKING A PROTECTIVE SEAM ON A SEAM THAT IS
DANGEROUS THROUGH SUDDEN ERUPTIONS OF COAL AND GAS. 1 Yarovol, I.M.
(Coal), Dec. 1953, 27-29). Eruptions can be prevented by working an (Coal
adjacent seam as a protective measure. This lowers gas pressure and
increases gas emission from bores drilled into the dangerous seam.
Numerical data are presented. (L).

~~YAROVY, I.M.~~

GOYEV, V.N., gorny inzhener; YAROVY, I.M., inzhener; KADETS, M.I., inzhener.

Remarks on N.K. Shevchenko's article "On the relationship between gas development and mine pressure." Reviewed by V.N. Goev, I.M. Larovoi, and M.I. Kadets. Ugol' 29 no.1:43-45 Ja '54. (MLRA 7:1)

1. MakMII (for Yarovoy and Kadets).

(Mine gases) (Shevchenko, N.K.)

YAKOVCHI, I.-M.

✓100. INVESTIGATION OF EFFECTIVENESS OF DRAINAGE BOREHOLES IN UNPROTECTED ZONES. Yarovoi, I.N. (Ugol (coal, Moscow), Aug. 1955, 40-43). Some figures and formulae are given for the ratio of gas emission from boreholes in steeply dipping coal seams in Donbass where there is danger of sudden eruptions of coal and gas. The volume of coal affected in the vicinity of each hole is not large. It is thought that the drilling of large holes would relieve dangerous stresses in the seam and also remove the gas. (L).

MILETICH, A.F., kand.tekhn.nauk, dotsent; YAROVYI, I.M.; DUGANOV, G.V.;
CHERNIKOV, G.F., starshiy prepodavatel'

Use of BN-4 barometer-levels for depression readings in mines.
Izv. DGI 31:164-179 '58. (MIRA 11:7)
(Mine ventilation) (Barometer)

DUGANOV, G.V., kand.tekhn.nauk; ZAPARA, S.A., kand.tekhn.nauk; YAROVYI,
I.M., kand.tekhn.nauk

"Safety measures in coal mines and pits" by S.IA.Kheifits. Re-
viewed by G.V.Duganov, S.A.Zapara, I.M.Yarovi. Bezop.truda v
prom. 3 no.5:35-36 My '59. (MIRA 12:8)

1. Dnepropetrovskiy gornyy institut.
(Coal mines and mining--Safety measures)
(Kheifits, S.IA.)

ABRAMOV, F.A., doktor tekhn. nauk; MILETICH, A.F., kand. tekhn. nauk;
YAROVY, I.M., kand. tekhn. nauk

Improving the aerodynamic characteristics of fan channels. Ugol' Ukr.
3 no.11:6-9 N '59. (MIRA 13:3)

1.Dnepropetrovskiy gornyy institut.
(Mine ventilation)

ROD'KIN, Ivan Stepanovich; YAKUSHIN, N.P., kand.tekhn.nauk, retsenzent;
PARAMOSHIN, N.T., retsenzent; DUGANOV, G.V., kand.tekhn.nauk,
retsenzent; YAROVOY, I.M., retsenzent; IGNATENKO, K.P., otv.red.;
ZVORYKINA, L.N., red.izd-va; BERESLAVSKAYA, L.Sh., tekhn.red.

[Ventilation in the course of mine building] Provetrivanie gornykh
vyrabotok pri stroitel'stve shakht. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po gornomu delu, 1960. 163 p. (MIRA 13:7)

1. Nachal'nik laboratorii ventilyatsii Ukrainskogo Nauchno-issledo-
vatel'skogo instituta organizatsii i mekhanizatsii shakhtnogo stroi-
tel'stva (UkrNIIOMSHS) (for Yakushin). 2. Nachal'nik sektora tekhniki
bezopasnosti kombinata Stalinshakhtstroy (for Paramoshin).
(Mine ventilation) (Mining engineering)

YAROVY, I.M., kand.tekhn.nauk

Readers' response to I.V.Bobrov's article "Further improvement
of labor safety in coal mining." Ugol' 35 no.2:59-61 F '60.
(MIRA 13:5)

(Coal mines and mining--Safety measures)
(Bobrov, I.V.)

MILETICH, A.F., dotsent; YAROVYI, I.M., dotsent; GERSHUN, O.S., inzh.;
GRETSINGER, B.Ye., Inzh.

Investigating gas emission in mining single gaseous seams. Izv. vys.
ucheb. zav. gor. zhur. no.8:65-72 '60. (MIRA 13:9)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut
im. Artyoma. Rekomendovana kafedroy rudnichnoy ventilyatsii i tekhniki
bezopasnosti.

(Mine gases)

MILETICH, A.F., dotsent, kand.tekhn.nauk; YAROVY, I.M., dotsent, kand.tekhn.
nauk; GRETSINGER, B.Ye., aspirant.

Changes in gas evolution influenced by production processes in the
area. Bezop.truda v prom. 6 no.3:21-22 Mr '62. (MIRA 15:3)

1. Dnepropetrovskiy gornyy institut.
(Mine gases)

YAROVY, L.V., dotsent

Diagnosis of rubella. Pediatriia 39 no.4:50-51 Jl-Ag '56.
(MIRA 9:12)

1. Iz kafedry infektsionnykh bolezney (zav. - dotsent L.V.Yarovoy)
Stavropol'skogo meditsinskogo instituta.
(RUBELLA, in inf. and child
diag.)

YAROVY, L.V.

Tick-borne relapsing fever in the neighborhood of Stavropol'. Med.
paraz. i paraz.boo.supplement to no.1:61 '57. (MIRA 11:1)

1. Iz kliniki infektsionnykh bolezney Stavropol'skogo meditsinskogo
instituta.
(STAVROPOL'--RELAPSING FEVER)

YAROVY, L.V.

YAROVY, L.V., dots.

Hemorrhagic fever in Stavropol Territory. Vrach.delo supplement
'57:74 (MIRA 11:3)

1. Kafedra infektsionnykh bolezney (zav.-dots. L.V.Yarovoy)
Stavropol'skogo meditsinskogo instituta.
(STAVROPOL TERRITORY--HEMORRHAGIC FEVER)

YAROVY, L.V.

YAROVY, L.V., dotsent; SHEVCHENKO, M.S.

Diseases caused by the bite of *Lathrodectes tredecimguttatus* on
pasture lands and virgin soils of the Stavropol region. Klin.med.
35 no.5:143-144 My '57. (MIRA 10:8)

(ARACHNIDISM

lathrodectes tredecimguttatus, clin. aspects)

EXCERPTA MEDICA Sec 6 Vol 13/3 Internal Med. Mar 59

1397. THE PROBLEM OF CLINICO-EPIDEMIOLOGICAL AGE PECULIARITIES
OF MARSH FEVER (Russian text) - Yarovo, L. V. - PEDIATRIYA
1958, 4 (71-73) Graphs 3

Two outbreaks of marsh fever in the Stavropol Krai (province) are reported. The sources of infection were open water pools polluted with the urine of cattle and pigs. A total of 20 children and 2 women became sick. The onset was abrupt, with chills, fever, headache and vomiting. The diagnosis was confirmed by positive agglutination and lysis of leptospira cultures (strain Monyakov II) in high serum dilutions. All patients recovered.

Anigstein - Galveston, Tex. (L, 6, 17)

Hd, Chair Infectious Disease
Stavropol Medical Inst.

YERMOL'YEVA, Z.V.; YAROVY, L.V.; GIVENTAL', N.I.; SHALOMAYENKO, V.A.

Intramuscular administration of tetracyclines in the treatment
of patients with brucellosis. Antibiotiki 4 no.4:57-59 J1-Ag
'59. (MIRA 12:11)

1. Kafedra mikrobiologii (zav. - chlen-korrespondent AMN SSSR
prof.Z.V.Yermol'yeva) TSentral'nogo instituta usovershenstvovaniya
vrachey i kafedra infektsionnykh bolezney (zav. - dotsent L.V.
Yarovoy) Stavropol'skogo meditsinskogo instituta.
(BRUCELLOSIS ther)
(TETRACYCLINE ther)

YAROVY, L.V., dotsent

Epidemiology and clinical aspects of Q fever. Vrach.delo no.12:
1327 D '59. (MIRA 13:5)

1. Stavropol'skiy meditsinskiy institut.
(Q FEVER)

YAROVY, L.V.

Clinical aspects, diagnosis, and treatment of brucellosis during
the generalization phase. Sov.med. 25 no.1:44-49 Ja '61.
(MIRA 14:3)

1. Iz kafedry infektsionnykh bolezney (zav. - dotsent L.V.Yarovoy)
Stavropol'skogo meditsinskogo instituta.
(BRUCELLOSIS)

YAROVOY, L.V.; BIRYUKOVA, V.F. [deceased]; SHALOMAYENKO, V.A.

Result of treating patients with generalized brucellosis with antibiotics and vaccines under hospital conditions. Antibiotiki 6 no.3:238-240 Mr '61. (MIRA 14:5)

1. Kafedra infektsionnykh bolezney (zav. L.V.Yarovoy) Stavropol'-skogo meditsinskogo instituta.
(BRUCELLOSIS) (ANTIBIOTICS) (VACCINATION)

YAROVY, L.V.; BEREZHOY, M.A.; SHALOMAYENKO, V.A.; BIYUKOVA, V.F.

Clinical and epidemiological characteristics of a familial outbreak
of encephalitis. Sov. med. 25 no.10:130-131 O '61. (MIRA 15:1)

1. Iz kliniki infektsionnykh bolezney (zav. - dotsent L.V.Yarovoy)
i kliniki nervnykh bolezney (zav. - dotsent M.A.Berezhnay)
Stavropol'skogo meditsinskogo instituta.
(ENCEPHALITIS)

YAROVY, L.V., dotsent

Clinical aspects, diagnosis and treatment of brucellosis of
the sheep-goat type in the generalizing phase of the infection
with focal lesions. Sov.med. no.3:58-65 '62. (MIRA 15:5)

1. Iz kafedry infektsionnykh bolezney (zav. - dotsent L.V. Yarovoy)
Stavropol'skogo meditsinskogo instituta.
(BRUCELLOSIS)

YAROVY, L.V.

Clinical aspects and treatment of brucellosis melitensis in the
phase of focal lesions. Sov.med. 26 no.8:72-80 Ag '62.
(MIRA 15:10)

1. Iz kafedry infektsionnykh bolezney (zav. - dotsent L.Ya.
Yarovoy) Stavropol'skogo meditsinskogo instituta.
(BRUCELLOSIS)

YAROVY, L.V.

Clinical aspects and treatment of the sequelae of the sheep-goat
type brucellosis in man. Sov.med. 26 no.1:69-76 Ja '63.
(MIRA 16:4)

1. Iz kafedry infektsionnykh bolezney (zav. - dotsent L.V.
Yarovoy) Stavropol'skogo meditsinskogo instituta.
(BRUCELLOSIS)

YAROVY, L.V.; TARAN, I.F.

Effect of the dose of brucellosis vaccine of the Br. abortus strain on the health of the immunized persons. Zhur. mikrobiol., epid. i immun. 40 no.2:104 F '63.

(MIRA 17:2)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya.

YAROVY, L.V.; RYBASOV, N.A.; SHAFERSHTEYN, D.L.

Clinicoepidemiological characteristics of sheep and goat brucellosis in factory workers engaged in the primary processing of wool. Sov. med. 27 no.30:52-58 O '63. (MIRA 1746)

1. Iz kafedry infektsionnykh bolezney (zav.-detsent L.V. Yarovoy) Stavropol'skogo meditsinskogo instituta i Stavropol'skogo krayevogo otdela zdravookhraneniya.

YAROVAY, L.V., dotsent; RUDNEV, M.M.; SHALOMAYENKO, V.A.; KABAKOVA, L.V.;
BEVINSON, S.M.; KRAYREV, L.G.

Clinical and epidemiological characteristics of an outbreak of
Q fever in children. Pediatrilia 42 no.5:73-76 My'63

1. Iz kliniki infektsionnykh bolezney (zav. - dotsent L.V.
Yarovoy) Stavropol'skogo meditsinskogo instituta, Stavropol'-
skogo protivochumnogo instituta i otdela osobo opasnykh in-
fektsiy sanitarno-epidemiologicheskoy stantsii Checheno-Ingush-
skoy ASSR.

*

YARVOVY, M. I.

Plant life in the basin of the rivers Yan and Verkhoyansk range. Sov. Botanika
No. 1, 1939

So: Trudy Arkticheskogo Nauchno-Issledovatel'skogo Instituta, GUSMP, Council of
Ministers, Vol. 201, 1948

YAROVY, M.I.

DOLMATOV, F.M., inzhener; YAROVY, M.I., inzhener

Mechanization of old-fashioned rolling mills. Stal' 15 no.5:444-445
My '55. (MIRA 8:6)

1. Madeyskiy metallurgicheskiy zavod
(Rolling mills)

YAROVY, M.I.

Mechanization of an Old Type Rolling Mill. E. M. Dzerzov
and M. I. Yarovoi. (Stal', 1955, (6), 44-45). (In Russian.)
An account is given of the mechanization of labour processes in
operations and the reconstruction of furnaces and tools in the

2

L 8765-65 EWT(1)/SPA(b)/FS(v)-3/ENG(v)/ED(d) Pg-4/Pc-5/Pq-4/Pg-4/Pue-2
ESD/SSD/ASD(a)-5/ASD(d)/AFKDC/ASD(p)-3/AFKL CH

ACCESSION NR: AP4006387

3/0026/63/000/012/0104/0106

AUTHOR: Yarov-Yarovsky, M. N. (Candidate of physical-mathematical sciences)

B

TITLE: Evolution of planetary system

SOURCE: Priroda, no. 12, 1961, 104-106

TOPIC TAGS: celestial mechanics, solar system, gravitation, Newton law, celestial body motion, classical celestial mechanics, absolutely empty space, planetary orbit, secular perturbation, minor oscillation theory, secular equation, periodic oscillation, planetary evolution system, orbit inclination, perihelion, node line, orbit general relativity theory, planetary system major semiaxis, orbit eccentricity

ABSTRACT: The basic objective of celestial mechanics is the study of the movements of all points in the sun, the planets, the satellites, and all accompanying material. Consideration of mutual attraction and interaction of these points does not cover all the factors affecting the solar system. Mathematical methods do not yet permit complete solution of the problem. The author points out the effects of secular perturbation, which may be considered periodic, with periods ranging up to two million years. The largest disturbances have periods of about 120 000 years.

Card 1/2

L 8755-65
ACCESSION NR: APL006387

The shortest periods are on the order of 50 000 years. Other modifying factors have similar effects. But, since these data result from evaluation by approximation methods, the picture of planetary motion is necessarily approximate. The problem is to determine the picture for all segments of time that are within the limits of the data. This is a very difficult problem. Some methods have been developed which make it possible to solve this problem. The Russian astronomer V. V. Rassadkin has made a number of important contributions to this problem.

Systematic study of the evolution of the planetary system, especially in regard to movement of the ecliptic. Orig. art., b&w: 2 figures and 2 tables.

ASSOCIATION: Gosudarstvennyy astronomicheskiy institut im. P. E. Shternberga

22.1.18

REV Sov: 000

REV: 000

YAROVY, N.B.

Eliminating the bulges on rail joints. Put' i put.khoz. 7 no.2:41 '63.
(MIRA 16:2)

1. Starshiy putevoy rabochiy, stantsiya Kamenka, Odesskoy dorogi.
(Railroads—Rails—Defects)

USSR/Medicine - Veterinary, Infectious
Diseases

Jan 53

"Vaccines That Produce Immunity Against Paratyphoid in Calves," I.I. Arkhangel'skiy, P.F. Yarovoy, D.D. Novak, and V.E. Arkhangel'skaya, Candidates in Sciences; and K.I. Khoidin, Sci Worker, Vet Sci Res Inst of the Kazakh Branch of the All-Union Acad of Agric Sci imeni V.I. Lenin

Veterinariya, Vol 30, No 1, pp 21-26

Aluminum hydroxide vaccine produced more active immunization against paratyphoid in exptl rabbits and guinea-pigs than any other vaccine. Expts on calves

256T52

and on cows in an advanced stage of pregnancy showed that aluminum hydroxide vaccine surpasses the formol vaccine in immunological properties. The aluminum hydroxide vaccine proved harmless to calves and to cows in an advanced stage of pregnancy.

YAROVOIY, I.I.

USSR / Diseases of Farm Animals. Diseases Caused by R-1
Bacteria and Fungi.

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7292.

Author : I. I. Arkhangel'skiy, P. F. Yarovoiy, D. D. Novak,
V. Ye, Arkhangel'skaya, Sh. T. Rasulyev,
V. I. Nadbalin.

Inst : Not Given

Title : Wide Experience in the Use of Aluminous Para-
typhoid Vaccine on Calves in Kazakhstan and
Uzbekistan

Orig Pub: Nauch. tr. Uzbek. s-kh. in-ta, 1956, 10, 5-8

Abstract: By experiments on laboratory animals it has been
shown that, the aluminous vaccine for para-
typhoid of calves is more immunizing than Formol-
vaccine. The aluminous vaccine proved entirely
harmless to calves and expectant cows. Its use

Card 1/2

USSR / Diseases of Farm Animals. Diseases Caused by
Bacteria and Fungi. R-1

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7292.

Abstract: on farms having calves with paratyphoid, permitted the lowering of losses from paratyphoid to a minimum.

Card 2/2

5

YAROVY P. F.

USSR / Diseases of Farm Animals. Diseases Causes by
Bacteria and Fungi

R

Abs Jour: Ref Zhur-Biologiya, No 16, 1958, 74188

Author : Yarovoy, P. P.

Inst : Kazakhstan Scientific-Research Veterinary
Institute

Title : Further Experiment with Aluminous Vaccine Against
Paratyphoid in Calves

Orig Pub: Tr. Kazakhsk. n.-i. vet. in-ta, 1957, 9, 218-228

Abstract: No abstract.

Card 1/1

BABIY, L.T., kand. sel'khoz. nauk; STOLLYAR, T.A., kand. sel'khoz. nauk; ASANOV, P.M., assistent; SELYANSKIY, V.M., kand. sel'khoz. nauk; LOBIN, N.V., kand. sel'khoz. nauk; KOVIM'KO, D.A., kand. biol. nauk; MASLIYEVA, O.I., kand. sel'khoz. nauk; PETROV, V.M., kand. veter. nauk; ANAN'YEV, P.K., kand. veter. nauk; PENIONZHKEVICH, E.E., doktor biol. nauk, prof.; SERGEYEVA, A.M., kand. sel'khoz. nauk; BALANINA, O.V., kand. sel'khoz. nauk; GRIGOR'YEV, G.K., st. nauchnyy sotr.; KRIKUN, A.A., Geroy Sotsialisticheskogo Truda, kand. sel'khoz. nauk; YAROVOY, P.F., kand. veter. nauk; BELOKOBYLENKO, V.T., nauchnyy sotr.; GROMOV, A.M., kand. sel'khoz. nauk; MOSIYASH, S., red.; NAGIBIN, P., tekhn. red.

[Handbook for poultrymen] Kniga ptitsevoda. Alma-Ata, Kaz-sel'khozgiz, 1962. 354 p. (MIRA 16:5)
(Kazakhstan--Poultry)

L: 25837-66 EWT(1)/EWA(h) GW
ACC NR: AP6011505

SOURCE CODE: UR/0114/65/000/004/0071/0077

AUTHORS: Koshelev, L. I. (Moscow); Popov, N. N. (Moscow); Yartsev, P. I. (Moscow)

ORG: none

TITLE: An experimental study of explosive charges in soft soils for engineering constructions

SOURCE: Fizika goreniya i vzyryva, no. 4, 1965, 71-77

TOPIC TAGS: seismology, explosion effect, explosive, construction material

ABSTRACT: A method for determining stresses and deformations occurring with the use of explosives in soils for construction purposes is presented. This method consists of determining an equivalent static charge for the explosion effect. The equivalent static charge lends itself to computation by conventional approaches of structural mechanics. The development of the method of equivalent charge is, however, not easily derived by conventional means. An experimental means was devised to study the effect of various explosive parameters and other properties of the problem as they are related to the equivalent charge. A specially designed testing device is used which measures deflections in the soil for the purpose of computing the equivalent static charge. The following parameters are investigated: 1) the weight of the charge, 2) the distance from its center to the obstacle, 3) the depth of

Card 1/2

UDC: 532.593+62.213.44

L 25837-66

ACC NR: AP6011505

placement of the charge, 4) the angle of incidence of the explosion wave with the obstacle, 5) the vibration frequency at the obstacle, and 6) the soil properties. The construction of the test device and several experimental data plots are given. Orig. art. has: 13 figures and 3 equations.

SUB CODE: 13, 08, 19 / SUBM DATE: none

Card 2/2 (Pt.)

YAROVY, P.M., kapitan 3-go ranga

It is necessary to have a two-way loudspeaker communication
between the primary control station and the forecastle.
Mor. sbor. 47 no.12:64-65 D '63.

(MIRA 18:12)

YAROVY, S., inzhener

We should make better use of "Donbass" cutter-loaders in the
Moscow Basin. Mast ugl. 4 no.6:8-10 Je '55. (MIRA 8'8)
(Moscow Basin--Coal mining machinery)

YAROVY, S., inzh.

New narrow range units. Mast.ugl. 8 no.3:19 Mr '59.
(MIRA 13:4)
(Coal mining machinery)

YAROVY, S. S.

PHASE I MOX EXPLOITATION

SOV/4043

Tatevskiy, Vladimir Mikhaylovich, Stanislav Semenovich Yarovoy, and Viktor Adol'fovich Benderskiy

Zakonomernosti i metody rascheta fiziko-khimicheskikh svoystv parafinovykh uglevodorodov (Regularities and Calculation Methods of Physicochemical Properties of Paraffin Hydrocarbons). Moscow, Gostoptekhizdat, 1960. 113 p.
Errata slip inserted. 2,500 copies printed.

Exec. Ed.: L.A. L'yova; Tech. Ed.: I.G. Fedotova.

PURPOSE: This book is intended for synthesis chemists, engineers and scientific workers in the petroleum and petrochemicals industries, and aspirants and students working in the field of motor fuels and the chemistry of hydrocarbons.

COVERAGE: The book explains the methods for determining the basic physical and chemical properties of paraffin hydrocarbons (the alkanes), especially the high paraffins, which have been the subject of the most research in the last ten years. These methods make it possible to determine such properties of isomers of the higher hydrocarbons ($C_9 - C_{15}$) as boiling point, density, molecular

Card 1/5

Regularities and Calculation Methods (Cont.)

SOV/4043

volume, molecular refraction, vapor pressure, heat evaporation, heat of combustion, and heat of formation. Tables of computed values of certain physical and chemical properties for the isomeric nonanes, decanes and undecanes are given. The researcher who has learned to use the analytical methods discussed in this book with respect to alkanes will be able to use similar methods for determining the physical and chemical properties of other hydrocarbons alkanes, alkynes, alkadienes, alkylcyclanes, and alkylbenzols as well as other classes of organic compounds. Many properties of the C₅-C₁₀ alkanes and certain

properties of the C₁₁ have been determined by the authors. The author mentions

N. Nikitin, V.A. Ziborov, and A.A. Boldin. There are 54 references: 41 Soviet (including one translation), 1 German, and 12 English.

TABLE OF CONTENTS:

Preface	3
Introduction	4
Ch. I. Theoretical Concepts and Experimental Data. First Method of Calculation	10
Card 2/5	

Regularities and Calculating Methods (Cont.)

SOV/4043

1. Basic concepts and equations	10
2. Molecular volumes	15
3. Molecular refractions	16
4. Heats of evaporation	17
5. Vapor pressure	20
6. Heats of formation from free atoms, heats of formation from elements, heats of combustion and free energies of formation from elements	23
7. Reaction between alkanes of arbitrary structure	27
8. Calculation of other physical and chemical values (density, boiling point) by the first method	28
9. Certain problems arising in calculating the physical and chemical properties of large numbers of high alkanes by the first method	30
10. Determination of the " k_i families" and " k_{ij} - families" into which alkanes with a given number of carbon atoms decompose	31
11. Certain physical and chemical properties of the C_{11} alkanes calculated by the first method	35

Card 3/5

Regularities and Calculation Methods (Cont.)

SOV/4043

Ch. II. Homologous Regularities in Series of Branched Alkanes. Second Method of Calculating Physicochemical Properties of Alkanes	36
1. Essentials of the method	36
2. Molecular volumes	39
3. Heats of evaporation	40
4. Heats of combustion, thermodynamic potentials and other physicochemical values for alkanes	41
5. Vapor pressure	42
6. Certain special regularities	42
7. Heats of crystallization	43
8. Calculation of other physicochemical values (temperature, boiling point) by the second method	47
Ch. III. Relation Between the Different Physicochemical Properties of Alkanes of Various Homologous Groups. Third Method of Calculation	52
1. Essentials of the method. Relation between two properties of one homologous group of alkanes	52
2. Extension of the method for a case of two different properties, determined under different physical conditions, of two different homologous groups of alkanes	56

Card 4/5

Regularities and Calculation Methods (Cont.)

SOV/4043

3. Application of the third method of calculating other physicochemical properties (density, boiling point)	56
Ch. IV. Comparison of the Three Methods of Calculation	62
1. Comparing the accuracy of the three methods	62
2. Initial data on the properties of alkanes necessary for calculating the properties of high alkanes for each of the three methods of calculation and the overall series of alkanes whose properties it is possible to calculate	66
3. Conclusion	68
Tables 13-25	69

Bibliography	111
--------------	-----

AVAILABLE: Library of Congress

Card 5/5

JA/rec/gmp
8-22-60

S/076/61/035/011/001/013
B107/B110

AUTHORS: Tatevskiy, V. M., and Yarovoy, S. S. (Moscow)

TITLE: Calculation of the physicochemical properties of higher
alkanes

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 11, 1961, 2409-2416

TEXT: The authors give a calculation method for the properties of the different structural isomers of any higher alkane. As an example, heat of formation, heat of combustion, free energy of formation, molar refraction, molar volume, heat of evaporation, magnetic susceptibility, and logarithm of the vapor pressure are calculated for 83 isomers of undecane. A structural isomer is characterized by the number of primary (n_1), secondary (n_2), tertiary (n_3), and quaternary (n_4) carbon atoms and by the number of bonds between such atoms n_{ij} ($i, j = 1, 2, 3, 4$). The following relations hold for these values:

Card 1/4

S/076/61/035/011/001/013
B107/B110

Calculation of the...

$$\begin{aligned} n_1 + n_2 + n_3 + n_4 &= n, \\ \frac{1}{2}n_1 + n_2 + \frac{3}{2}n_3 + 2n_4 &= n - 1, \end{aligned} \quad (1)$$

$$\begin{aligned} 2n_{11} + n_{12} + n_{13} + n_{14} &= n_1, \\ n_{21} + 2n_{22} + n_{23} + n_{24} &= 2n_2, \\ n_{31} + n_{32} + 2n_{33} + n_{34} &= 3n_3; \\ n_{41} + n_{42} + n_{43} + 2n_{44} &= 4n_4. \end{aligned} \quad (2)$$

However, not all positive integral solutions are possible; since no ring formation must occur, the following conditions are added:

$$0 \leq n_{22} \leq n_2 - 1, \quad (7)$$

$$0 \leq n_{33} \leq n_3 - 1, \quad (8)$$

$$0 \leq n_{44} \leq n_4 - 1. \quad (9)$$

$$0 \leq n_{23} + n_{32} + n_{33} \leq n_2 + n_3 - 1, \quad (10)$$

$$0 \leq n_{24} + n_{32} + n_{44} \leq n_2 + n_4 - 1, \quad (11)$$

$$0 \leq n_{34} + n_{33} + n_{44} \leq n_3 + n_4 - 1. \quad (12)$$

Card 2/4

S/076/61/035/011/001/013
B107/B110

Calculation of the...

For the structural isomers of an alkane, the following unambiguous manner of notation results: n_{12} , n_{13} , n_{14} , n_{22} , n_{23} , n_{24} , n_{33} , n_{34} , and n_{44} . Table 1 shows the possible structural isomers for C_{10} , C_{11} , and C_{12} . The physicochemical property P of an isomer then results from the equation

$$P = \sum_{i=1}^4 \sum_{j=1}^4 n_{ij} \cdot P_{ij}$$
. The values for P_{ij} are assumed to be independent of the number of carbon atoms; they are given in Table 3. The derivation of the values for P_{ij} has been shown in previous studies: V. M. Tatevskiy, V. A. Benderskiy, S. S. Yarovoy (Ref. 9: Metody rascheta fiziko-khimicheskikh svoystv alkanov (Methods of calculating the physicochemical properties of alkanes), Gostoptekhizdat, 1960). There are 3 tables and 9 Soviet references.

SUBMITTED: March 30, 1959

Card 3/74

Calculation of the...

S/076/61/035/011/001/013
B107/B110

Table 1. Distributions of bonds for the alkanes C_{10} , C_{11} , C_{12} . ✓

Legend: (1) alkanes

Table 3. Values of the constants for the properties of alkanes.

Legend: (1) Heat of formation of gaseous alkane from the elements.
(2) Heat of combustion of gaseous alkane. (3) Heat of combustion of liquid alkane. (4) Free energy of formation of gaseous alkane from the elements. (5) Molar volume of liquid alkane at 20°C , in ml/mole.
(6) Molar refraction of liquid alkanes at 20°C in ml/mole. (7) Heat of evaporation into the state of an ideal gas for liquid alkanes in cal/mole, for $t = 130\text{--}170^{\circ}\text{C}$. (8) Decadic logarithm of vapor pressure (in mm Hg) over liquid alkane at $t = 150^{\circ}\text{C}$. *) The value for P_{44} is not quite accurate since it was determined on one hydrocarbon only. **) The values for P_{44} are not calculated since experimental data for the corresponding alkanes are lacking.

Card 1/6

S/076/61/035/011/002/013
B107/B110

AUTHORS: Yarovoy, S. S., and Tatevskiy, V. M.

TITLE: Calculation of the physicochemical properties of higher alkanes with any number of carbon atoms in the molecule

PERIODICAL: Zhurnal fizicheskoy khimii, v. 35, no. 11, 1961, 2417-2423

TEXT: The authors develop a method of calculating the possible structural isomers of higher alkanes. C_1 , C_2 , C_3 , and C_4 are supposed to be the primary, secondary, tertiary and quaternary carbon atoms in the (sp^3) state, n_1 , n_2 , n_3 , and n_4 the number of the corresponding atoms; further, C_1^- , C_2^- , C_3^- the primary, secondary and tertiary carbon atoms in the (sp^2) state, \bar{n}_1 , \bar{n}_2 , \bar{n}_3 the number of the corresponding atoms; n_{ij} is to denote the number of bonds C_i-C_j ($i, j = 1, 2, 3, 4$), k_{ip} the number of bonds C_i-C_p ($i = 1, 2, 3, 4$; $p = 2, 3$), l_{pq} the number of bonds

Card 1462

S/076/61/035/011/002/013
B107/B110

Calculation of the physicochemical ...

C_p-C_q ($p, q = 1, 2, 3$); then, the following types of bonds are possible:
 $n_{12}, n_{13}, n_{14}, n_{22}, n_{23}, n_{24}, n_{33}, n_{34}, n_{44}, k_{12}, k_{22}, k_{32}, k_{42}, k_{13}, k_{23},$
 $k_{33}, k_{43}, l_{11}, l_{12}, l_{13}, l_{22}, l_{23},$ and l_{33} . The possibility l_{11} drops out
since this bond occurs for ethylene only. A physicochemical property P ,
such as energy of formation, heat of combustion, molar volume, molar
refraction, heat of evaporation, logarithm of vapor pressure, etc., can
be calculated for a structural isomer by the following formula:

$$P = \sum_{i=1}^4 \sum_{j=1}^4 n_{ij} \cdot P_{ij} + \sum_{i=1}^4 \sum_{p=2}^4 k_{ip} \cdot P'_{ip} + \sum_{p=1}^3 \sum_{q=p}^3 l_{pq} \cdot P''_{pq} \quad (1), \text{ where}$$

P_{ij} , P'_{ip} , and P''_{pq} are constants which are calculated from low alkenes and
are independent of the number of C atoms. The following relations hold
for the number of carbon atoms:

Card 2162

TATEVSKIY, V.M.; STEPANOV, N.F.; YAROVOY, S.S.

Quantum mechanical expressions for the physical values and
the regularities in geometrical configuration of molecules.
Vest. Mosk. un. Ser. 2: Khim. 19 no.5:3-34 S-0 '64.
(MIRA 17:11)

1. Kafedra fizicheskoy khimii Moskovskogo universiteta.

GEY, E.; YARVOY, S.S.; TATEVSKIY, V.M.

Dipole moments of alkanes. Vest. Mosk. un. Ser. 2: Khim. 20 no.1:
9-14 Ja-F '65. (MIRA 18:3)

1. Kafedra fizicheskoy khimii Moskovskogo universiteta.

GEY, E.; YARVOY, S.S.; TATEVSKIY, V.M.

Dipole moments of compounds of the general formula A_nB_{2n+2} .
Vest. Mosk. un. Ser. 2:Khim. 20 no.4:3-6 Jl-Ag '65.
(MIRA 18:10)

1. Kafedra fizicheskoy khimii Moskovskogo gosudarstvennogo
universiteta.

SEY, N.; YAROVICH, S.S.; TAKIMORI, V.M.

Dipole moment of compounds of the general formula $A_n B_m C_2$.

Vest. Mosk. un. Ser. 2: Khim. 20 no. 3: 15-19 My-Je '65.

(MIRA 18:8)

I. Moskovskiy universitet, kafedra fizicheskoy khimii.

YAROVY, S.V.; FOKIN, V.P., inzh.

Operating the DUN machinery unit at the Bokovoantratsit Trust
mine nos. 32 and 32a, Ugol' Ukr. 3 no. 3:40-41 Mr '59.
(Donets Basin--Coal mining machinery)

YAROVY, S.V., inzh.

Standardized enamel loading chutes for the K8-N and LGD "Donbass"
cutter-loaders. Ugol' Ukr. 5 no.5:31-32 My '61. (MIRA 14:5)

1. Dongiprouglemash.
(Coal mining machinery)

FOKIN, V.P.; YAROVY, S.V.

Dry method of dust control in connection with the operating of coal cutter-loaders. Ugol' Ukr. 5 no.7:39 Jl '61. (MIRA 15:1)

1. Glavnnyy inzh. shakhtoupravleniya №.32/32-bis tresta Bokovoan-tratsit Luganskoy oblasti (for Fokin). 2. Glavnnyy konstruktor proyekta Dongiprouglemasha (for Yarovoy).
(Mine dusts) (Coal mining machinery)

SHKVYRSKIY, N.A., inzh.; YAROVY, S.V., inzh.

Mechanize the transport of timber to the faces of steeply dipping seams. Ugol' Ukr. 6 no.2:31-32 F '62. (MIRA 15:2)

1. Dongiprouglaemash.

(Mine haulage)
(Mine timbering)

YAROVYI, S.V., veter. vrach; LAGODZINSKIY, I.S., veter. vrach

Surgical treatment of abdominal hernia in cows. Veterinariia
38 no.7:65-66 Jl '61. (MIRA 16:8)

1. Kamenets-Podol'skaya rayonnaya veterinarnaya lechebnitsa,
Khmel'nitskoy oblasti.
(Hernia) (Cows--Diseases and pests)

S/080/62/035/009/006/014
D204/D307

AUTHORS: Ivanov, V.Ye., Somov, A.I., and Yarovoy, V.G.

TITLE: The kinetics of vacuum siliciding

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no. 9, 1962,
1960 - 1964

TEXT: The above problem was studied theoretically and experimentally in view of the advantages of this process and high quality of the resultant coatings. By considering a vapor interacting with a solid to form a layer of product upon the latter, which is of thickness l after a time t , and assuming that the vapor is supplied into the reaction zone at a rate much lower than the rate of mutual diffusion of reactants through the layer formed, it is shown on general grounds that l should vary linearly with t . The relation between l and t becomes parabolic if the rate of chemisorption of the vapor upon the solid surface is higher than the rate of diffusion through the layer. To confirm these results $10 \times 10 \times 1.5$ mm specimens of Ta and Mo were silicided by a method similar to that described by Gorbunov, using Si powder (0.5 - 1.0 mm), at 1200, 1250, 1300 and Card 1/2 ✓

S/080/62/035/009/006/014
D204/D307

The kinetics of vacuum silicidizing

1350°C. Linear growth of the silicided layers with time was observed on both metals at 1200 and 1250°C, for coatings 50 - 150 μ thick. For thicker (\sim 180 - 250 μ) coatings and at higher temperatures, the layer thickness increased parabolically with time. It is thus concluded that the rate of formation of thin layers of MoSi_2 and TaSi_2 at 1200 and 1250°C is governed by the rate of chemisorption of Si vapor and not by diffusion through the disilicides. There are 3 figures and 1 table.

SUBMITTED: August 10, 1961

Card 2/2

YAROVY, V.G., inzh.; SOPLYAKOV, V.I.; TRUSHCHELEV, V.I.; ZALOGIN, N.G.,
kand. tekhn. nauk

Power limit of condensing electric power plants under air pollution
conditions. Elek. sta. 35 no.12:57-67 D '64.

(MIRA 18:2)

1. Vsesoyuznyy gosudarstvennyy proyektnyy institut stroitel'stva
elektrostantsiy (for Yarovoy). 2. Energeticheskiy institut Si-
birskogo otdeleniya AN SSSR (for Soplyakov, Trushchelev). 3. Vse-
soyuznyy ordena Trudovogo Krasnogo Znameni teplotekhnicheskiy insti-
tut imeni Dzerzhinskogo (for Zalogin).

YAROVY, V.N. (Kuybyshev)

Laws of the motion of pistons in spherical mechanisms with a
uniform motion of the swash-plate. Izv. vys. ucheb. zav.; av.
tekhn. 3 no. 2:144-156 '60. (MIRA 14:5)
(Pistons) (Mechanical movements)

YAROVY, V.N., inzh.

Law of motion for pistons in spherical mechanisms with a curved motion of the swash plate. Izv.vys.ucheb.zav.;mashinostr. no.9:
62-73 '60. (MIRA 13:11)

1. Moskovskoye vyssheye tekhnicheskoy uchilishche im. N.E.
Baumana.
(Pistons)

S/147/60/000/02/017/020
E022/E407

AUTHOR: Yarovoy, V.N. (Kuybyshev)
TITLE: On the Motion of Pistons in Spherical Mechanisms with
Uniformly Rotating Swashplate

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Aviatsionnaya
tekhnika, 1960, Nr 2, pp 144-156 (USSR)

ABSTRACT: Kinematics of pistons in the barrel type of engines is
considered when the pistons are actuated by a uniformly
rotating circular swashplate. The essentials of the
driving mechanism are shown in Fig 1 and the
arrangement of cylinders in Fig 2. Several types of
connections between the actuating swashplate and the
pistons are discussed, the object being to secure a
rational choice for any given requirements, viz:
a) by means of a connecting rod with two turning
(cylindrical) pairs, the joint on the swashplate side
being to a radial extension (lever) of the plate and
that on the piston side being in tangential direction
(Fig 3); the motion of the piston (displacement,
velocity and acceleration) is then as given by Eq (19)
to (21). If the connection between the plate lever and

VC

Card 1/3

S/147/60/000/02/017/020
E022/E407

On the Motion of Pistons in Spherical Mechanisms with Uniformly Rotating Swashplate

the piston is direct, i.e. the connecting rod length reduced to zero (Fig 6), these equations reduce to Eq (22) to (24). b) by means of a connecting rod with a tangential turning (cylindrical) pair on the plate (Fig 7); the motion of the piston in this case is given by Eq (26) to (28); again, if the con-rod length is reduced to zero (Fig 9), these equations transform into Eq (29) to (31). c) by means of a connecting rod with a ball and socket joint on the plate side and a turning (cylindrical) pair on the piston side (Fig 10); the motion of the piston in this case is given by Eq (34) to (36). In the limit as the length of the connecting rod increases indefinitely, this type of connection reduces to the case of a prismatic slider at the piston (Fig 11). Fig 12 shows the acceleration curves for these various connections and they are compared eventually with the acceleration curve for the simple engine mechanism (crank plus connecting rod). In order to verify these relations some experiments were carried out with a

✓C

Card 2/3

S/147/60/000/02/017/020
E022/E407

On the Motion of Pistons in Spherical Mechanisms with Uniformly Rotating Swashplate

rig-up (Fig 13 and 14) so designed that it allowed a variety of connections between the actuating plate and the pistons. Only one cylinder was provided and the motion of the piston in it was indicated by means of the inductive type pick-up shown in Fig 15. The results showed a good agreement with the analytical formulae as shown in Fig 16 and 17. There are 17 figures and 5 references, 4 of which are English and 1 Soviet.

SUBMITTED: December 15, 1959

Card 3/3

✓C

30255

24.4100

1321

S/145/60/000/009/006/017
D221/D304

AUTHOR: Yarovoy, V.N., Engineer

TITLE: On the laws of piston motion in spherical mechanisms
with the arc motion of the oscillating plate

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashino-
stroyeniye, no. 9, 1960, 62 - 73

TEXT: The problems of kinematics and dynamics of mechanisms with
arc motion of the oscillating plate were investigated. Fig. 1 indi-
cates the z-shaped shaft 1 rotating in bearings 2, that are placed
along axis oy of the stationary system of coordinates oxyz. On the
crank of former, plate 3 is mounted, so that the central plane of
the latter passes through o. In the figure, this plane form angle
 δ with the plane zox. In the central plane of the plate, coordina-
tes $ox_1y_1z_1$ are located and coinciding ox_1 with ox , and oy_1 with
the axis of the z-shaped crankshaft. Points A, B and C at a distan-
ce of b from the origin are chosen. It is assumed that A rotates
with uniform speed, and the involved motion of plate is decomposed
Card 1/#3

30255

S/145/60/000/009/006/017

D221/D304

On the laws of piston motion in ...

into two elementary rotations. The author deduces some equations that are in agreement with previously published data. The expressions are expanded into a Fourier series. Spherical mechanisms, where the cylinders are usually disposed at regular intervals, are analyzed. Various methods of connecting pistons with the plate are considered. The kinematic scheme of joining the piston with a plate by conrods has a free axial displacement along the lever of the plate and also over the gudgeon pin. The obtained equation of piston movement is expanded into a Fourier series. The effect of inclination angle ξ on the law of piston motion is graphically illustrated. In the case of a radial cylindrical pair on the plate and a tangential pair in the piston having a conrod with zero length, there is a tangential connection between the piston and plate by a slide. In the equations for this case, harmonics of second and fourth order disappear. The connection of piston and plate by conrod with a tangential pair is described and a set of equations is deduced. When the length of the conrod is zero, the connection is ensured by a radial slide. In the mathematical expressions small quantities and harmonics above the fourth order are neglected. The

Card 2/43

On the laws of piston motion in ...

30255

S/145/60/000/009/006/017
D221/D304

comparison with exact calculations demonstrates that the errors involved are small. In the case of conrod with radial cylindrical pair on the plate or tangential pair in the piston and a tangent slide it amounts to less than 1 % of piston stroke. The approximate equations were checked experimentally with oscillograms, and good agreement was obtained. There are 8 figures and 6 references: 4 Soviet-bloc and 2 non-Soviet-bloc.

ASSOCIATION: MVTU im. N.E. Baumana (MVTU of N.E. Bauman)

SUBMITTED: May 14, 1960

Card 3/43

YAROVY, Ye.K., inzh.

Using net methods for planning and management of repair work.
Mashinostroenie no.4:20-21 Jl-Ag '65. (MIRA 18:8)

YAROVY, Ye. T.

91-56-7-12/27

AUTHORS: Komissarov, B.I., Engineer and Yarovoy, Ye.T., Engineer

TITLE: Exchange of Experience (Obmen opytom). Inspections and Repair Works on the 400 kw Power Transmission, Kuybyshev-Moscow Line (Revizii i remontnyye raboty na linii elektroperedachi 400 kv Kuybyshev-Moskva).

PERIODICAL: Energetik, 1958, Nr 7, pp 25-28 (USSR).

ABSTRACT: The structure of the 400 kv Kuybyshev-Moscow line is essentially different from that of lines with lower voltage, e.g. the anchor span is 2.5 to 3 times larger, the stress on intermediate supports attains 2.5 tons per phase under normal operating conditions and the stress on anchor towers attains 13 to 14 tons per phase. Furthermore, phase splitting into 3 conductors, wide braces and a general release system are utilized. The article describes in detail the methods of inspection and repair applied to stretching and supporting strings, as well as to split phase conductors. The repair-man travels along the conductors by means of a special cable car weighing 15 kg. The passage over the general release system takes about 3 to 4 minutes. The mounting of repair-sleeves is carried out by means of a

Card 1/2

91-58-7-12/27

Exchange of Experience. Inspections and Repair Works on the 400 kw Power Transmission, Kuybyshev-Moscow Line.

small-sized press, e.g. a press of the "KR-2 Mosenergo" type, which can be fixed to all three conductors of the split phase. There are 11 photos and 1 Soviet reference.

1. Transmission lines--Inspection 2. Transmission lines
--Maintenance

Card 2/2

KOMISSAROV, B.I., inzh.; SKOHELEV, S.A., inzh.; YAROVY, Ye.T., inzh.

Performance of remote spacers in an electric network equipped with
conductors. Elek. sta. 29 no.7:70-73 Jl '58. (MIRA 11:10)
(Electric networks--Equipment and supplies)

1. YAROVSKAYA, S. F.
 2. USSR (600)
 4. Mercury
 7. Comparative evaluation of permeability and ability to absorb mercury vapors of some structural and technical material. Gig i san No 12 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

"APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001962210018-1

YAROVSKAYA, Svetlana

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001962210018-1"

YAROVSKY, A.V.

GTRSPN No. 45

Torov, A.V.

On certain criteria of stability of the integrals of a system of two linear differential equations with periodic coefficients
Akademiya Nauk, Doklady 62, # 5, 595-8 (1948)

Akademija Nauk S.S.R., Doklady Vol. 79 No.

Available at Brookhaven Nat. Lab.

SHOSTAKOVICH, B.V., kand.tekn.nauk; YAROVSKIY, A.Ye., inzh.;
KANTOR, Z.I., inzh.; GOLIKOV, V.S., inzh.

Certain results of the modernization of the VK-50-1IMZ turbine.
Energomashinostroenie 7 no.7:9-12 J1 '61. (MIRA 14:8)
(Turbines)

CONFIDENTIAL
DATE RECEIVED: 1962 NOV 14 1962
FILE NUMBER: 14-21-1962-1
1950) In Russian
On the excitation of atoms in the class of mercury
V. FABRIKANT AND B. V. KARASHEV 14 Ekspres' Year
F: 21 1950
On the excitation of atoms in the class of mercury
V. FABRIKANT AND B. V. KARASHEV 14 Ekspres' Year
Russia

YAROVSKY, I.A.

H

PNEUMATIC SORTING OF RUN-OF-MINE COAL ON CHAIN GRATES. Yarovskii, I.A. (Za Eksp. Topliva (Fuel Econ.), Jan. 1952, 9-13). Improved combustion was obtained by fluidizing with a special air blast a narrow strip at the front of the bed just before it entered the furnace, so that the smallest particles came to the top. The argument and experiments leading up to this solution, and numerical results, are given. S.A. Tager comments that the results were obtained with the best class of coal, and that spreader stoking is more effective with poorer coals. (L)

YAROVSKIY, K.P.

Investigating the effect of additives to fuel and oil and of the temperature conditions of cooling on the wear of diesel engines of average speed. Trudy LIEI no. 57:26-41 '65.

(MIRA 18:8)

YAROVSKIY, K.P.

Adding water to fuel and its effect on the duty and efficiency
of carburetor engines. Trudy LTA no.83:99-110 '59.
(MIRA 13:4)

(Gas and oil engines) (Motor fuels)

YAROVSKIY, K.P., kand.tekhn.nauk, dotsent

Investigating the effect of the temperature of cylinder bushings
on their wear in presence of sulfurous fuels and lubricants
with admixtures. Trudy LIVT no.18:32-35 '61. (MIRA 14:9)
(Diesel fuels--Testing)
(Marine diesel engines--Cylinders)

YAROVSKII, K.P.

Wear of parts of internal combustion engines operated with
sulfurous diesel fuel and the engineering and economic ef-
ficiency of using additives to fuel and oils. Trudy LIEI
no.50:102-106 '64. (MIRA 18:4)

L-119 3-61 WP 8-279 p. 7 Dr-1, 141

SEARCHED BY: AFB/MS420

INDEXED BY: DR-1

AUTHOR: Iarovskiy, K. I.

TITLE: Investigating the effect of additives to fuels and oils and the temperature regime of cooling on the wear of average high-speed diesels

SOURCE: Leningrad. Inzhenerno-ekonomicheskiy institut. Trudy, no. 57, 1965.
Nekotoryye voprosy mashinostroyeniya i stroitel'skoy mekhaniki (Some problems in machinery manufacture and structural mechanics), pt. 3, 26-41

TOPIC TAGS: diesel engine, diesel fuel, lubricant, lubricant additive, sulfur, fuel additive, experimental data

ABSTRACT: The results of tests on the wear of average high-speed Skoda diesel engines, make 6L27U, are reported. The engines operate with sulfur fuel oil, and additives at various temperature regimes of the coolant. The fuel used is diesel fuel "D" (GOST 306-58) containing 0.6-1.4% sulfur. The additives used were VNIIM Ni-111 and VNIIM-NP-111A at the rate of 0.1-0.15 kg per kg of fuel. As a base oil type OGp-11 (GOST 9581-57) oil was used with the additive TSIATIM-3/9 at the rate of 0.1-0.15 kg per kg of fuel. The engines were operating at 1000 rpm. The tests were conducted on ships belonging to the river fleet. Two groups of tests were

Card 1/3